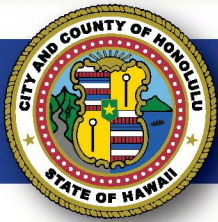


NOVEMBER 2010



H O N O L U L U R A I L T R A N S I T P R O J E C T



MONTHLY PROGRESS REPORT



HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

MONTHLY PROGRESS REPORT

November 2010



City and County of Honolulu

Approved by:

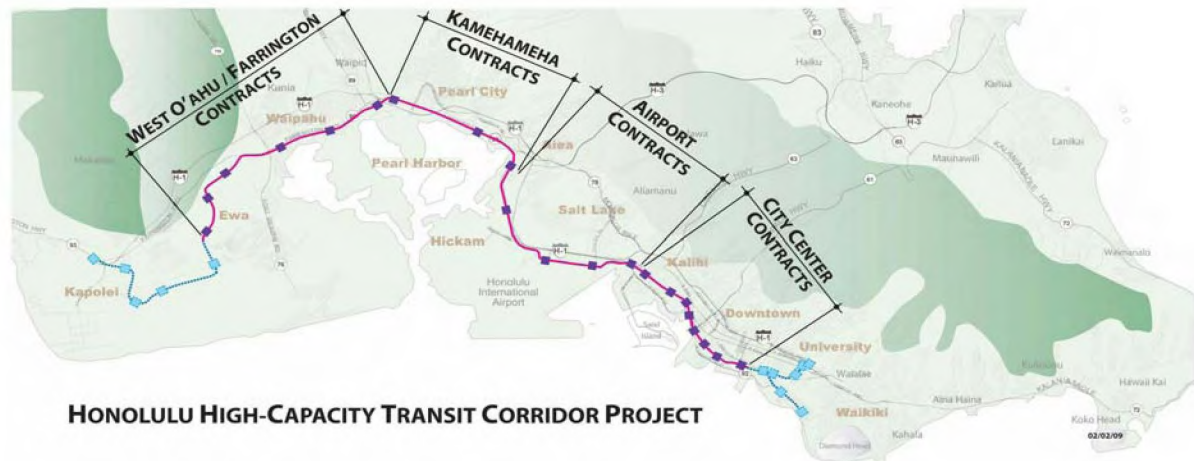


Simon Zweifelhaft
Chief Project Officer

12/13/10
Date

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1. Executive Summary



Major project issues:

- Project continues to be adversely affected by the completion of the ROD Milestone. The critical path to it's completion is finalizing the Programmatic Agreement and the Governor's acceptance of Final EIS

Major project activities in November 2010 included:

- New Governor and Mayor elected, both are pro-rail
- Draft ROD submitted to FTA
- A major re-planning of the project schedule from 6 phased openings to 3 was approved by the Change Control Board. The new milestones are:
 - Open West Oahu/Farrington/Kamehameha Sections – December 2015
 - Open Airport Section – October 2017
 - Open City Center Section – March 2019
- West Oahu/Farrington guideway geotechnical investigations are ongoing with over 260 borings completed
- Core Systems offerors in BAFO evaluation
- Maintenance and Storage Facility contract being finalized
- GEC continues to finalize the "bottoms-up" estimate of the project costs
- Project risk register being finalized
- Project Procedures being finalized
- Fare Collection & Platform Screen Door studies are being conducted
- Held 1st Project Change Control Board meeting

2. Current Contract Status

Status

All cost and schedule data is as of October 29, 2010

Project Management Consultant 2

Contractor	Infraconsult LLC
Contract Number	SC-DTS-1000023
Award Date	11/19/2009
NTP Issued	11/19/2009
Contract Completion Date	11/19/2014
Anticipated Completion Date	11/19/2014
Independent Estimate	\$ 35,000,000
Contract Value	\$ 36,727,162
Change Orders to Date	0
Current Contract Value	\$ 36,727,162
Expended to Date	\$ 6,073,591
% Complete	16.5%

The PMC2 Contract with InfraConsult LLC (InfraConsult) was executed on November 19, 2009. InfraConsult staff's, currently numbering 22 people, are embedded within the City's Rapid Transit Division (RTD).

General Engineering Consultant 1

Contractor	PB Americas
Contract Number	SC-DTS-0700001
Award Date	8/24/2007
NTP Issued	8/24/2007
Contract Completion Date	6/30/2010
Anticipated Completion Date	12/31/2010
Independent Estimate	\$ 70,500,000
Contract Value	\$ 85,000,000
Change Orders to Date	\$ 30,900,000
Current Contract Value	\$ 115,900,000
Expended to Date	\$ 129,078,304
% Complete	111.4%

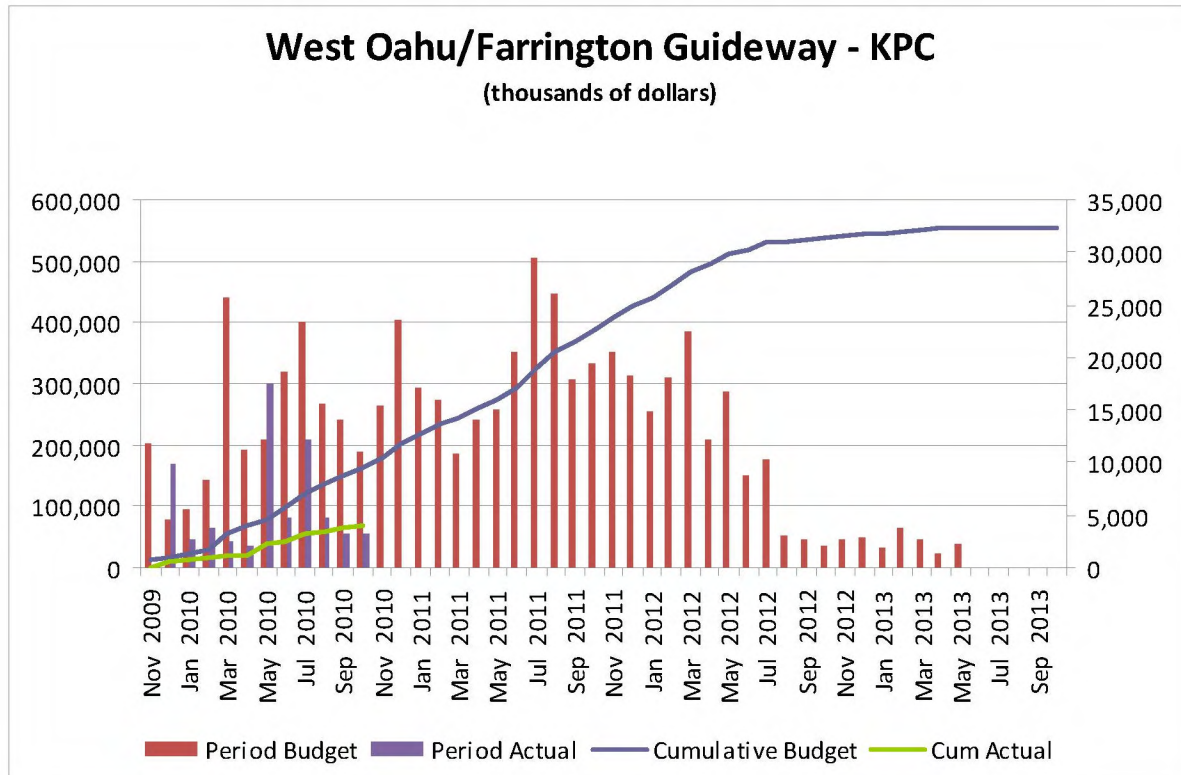
The GEC Contract with PB Americas, Inc. was executed in August 2007 and most recently was amended on April 7, 2010 (Amendment #4) for an additional \$12,900,000 for continued work on the EIS and PE. Included in the \$12,900,000 amount is \$4,000,000 in ARRA funds for PE work from FTA Grant HI-96-X001. Amendment #5 for \$10,000,000 is expected to be approved in November 2010.

HHCTCP Quarterly Progress Report – November 2010

SCC	Description	Year of Expenditure				
		Baseline Budget	Allocated Contingency	Allocated Budget	Incurred to Date	Remaining Budget
80	PROFESSIONAL SERVICES	\$37,361	\$0	\$37,361	\$40,539	-\$3,178
80.01	Preliminary Engineering	\$15,923	\$0	\$15,923	\$16,250	-\$328
80.03	Project Management for Design and Construction	\$21,438	\$0	\$21,438	\$24,289	-\$2,851
	Subtotal (10 - 80)	\$37,361	\$0	\$37,361	\$40,539	-\$3,178

West Oahu / Farrington Highway Guideway Design-Build (WOFH) Contract

Contractor	Kiewit Infrastructure West
Contract Number	CT-DTS-1000137
Execute Contract	11/17/2009
NTP(s) Issued	
NTP 1	12/1/2009
NTP 1a	3/11/2010
NTP 1b	3/23/2010
NTP 1c	6/4/2010
Contract Completion Date	7/7/2013
Anticipated Completion Date	3/18/2014
Engineers Estimate	\$ 555,363,000
Contract Value	\$ 482,924,000
Change Orders to Date	\$0
Current Contract Value	\$ 482,924,000
Expended to Date	\$ 63,430,506
% Complete	13. %



SCC	Description	Year of Expenditure				
		Baseline Budget	Allocated Contingency	Allocated Budget	Incurred to Date	Remaining Budget
40	SITework & SPECIAL CONDITIONS	\$165,984	\$24,898	\$190,881	\$50,314	\$140,567
40.01	Demolition, Clearing, Earthwork	\$3,628	\$544	\$4,173		\$4,173
40.02	Site Utilities, Utility Relocation	\$34,200	\$5,130	\$39,330		\$39,330
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks	\$5,941	\$891	\$6,832	\$1,295	\$5,537
40.05	Site structures including retaining walls, sound walls	\$6,271	\$941	\$7,211		\$7,211
40.06	Pedestrian / bike access and accommodation, landscaping	\$1,783	\$267	\$2,050		\$2,050
40.07	Automobile, bus, van accessways including roads, parking lots	\$14,427	\$2,164	\$16,591		\$16,591
40.08	Temporary Facilities and other indirect costs during construction	\$99,734	\$14,960	\$114,694	\$49,019	\$65,674
80	PROFESSIONAL SERVICES	\$53,374	\$8,006	\$61,380	\$16,595	\$44,785
80.01	Preliminary Engineering	\$38,739	\$5,811	\$44,550	\$16,595	\$27,955
80.02	Final Design	\$14,635	\$2,195	\$16,830		\$16,830
	Subtotal (10 - 80)	\$219,358	\$32,904	\$252,261	\$63,430	\$185,352

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Contracts for Legal Services & Utilities

= Contract awarded before entry into PE

Legal Services #	Nossaman LLP
Contract Number	SC-COR-08A0186
Award Date	7/28/2008
NTP(s) Issued	6/1/2008
Contract Completion Date	5/31/2010
Anticipated Completion Date	6/1/2012
Independent Estimate	None
Contract Value	\$100,000
Change Orders to Date	\$700,000
Current Contract Value	\$800,000
Expended to Date	\$543,923
% Complete	68%

Legal Services #	Yamamoto & Settle
Contract Number	SC-COR-0900171
Award Date	6/30/2009
NTP(s) Issued	6/1/2009
Contract Completion Date	5/31/2011
Anticipated Completion Date	5/31/2012
Independent Estimate	None
Contract Value	\$50,000
Change Orders to Date	\$35,000
Current Contract Value	\$85,000
Expended to Date	\$38,866
% Complete	46%

Legal Services	Ogletree Deakins Nash Smoak & Stewart, P.C.
Contract Number	PO-COR-1000400
Award Date	10/12/2009
NTP(s) Issued	10/16/2009
Contract Completion Date	2/19/2010
Anticipated Completion Date	2/19/2010
Independent Estimate	None
Contract Value	\$150,000
Change Orders to Date	\$0
Current Contract Value	\$150,000
Expended to Date	\$95,074 (non-participating costs)
% Complete	100% (of performance)

Legal Services	Kobayashi Sugita & Goda
Contract Number	SC-COR-1000075
Award Date	4/26/2010
NTP(s) Issued	12/15/2009
Contract Completion Date	12/14/2011
Anticipated Completion Date	12/14/2011
Independent Estimate	None
Contract Value	\$50,000
Change Orders to Date	\$0
Current Contract Value	\$50,000
Expended to Date	\$0
% Complete	0%

Legal Services #	McCorriston Miller Mukai MacKinnon
Contract Number	SC-COR-1000024
Award Date	12/2/2009
NTP(s) Issued	9/23/2000
Contract Completion Date	9/22/2011
Anticipated Completion Date	9/22/2011
Independent Estimate	None
Contract Value	\$50,000
Change Orders to Date	\$20,000
Current Contract Value	\$70,000
Expended to Date	\$59,052
% Complete	84%

Contractor	Carlsmith Ball LLP
Award Date	9/10/2010
NTP(s) Issued	6/30/2010
Contract Completion Date	6/29/2012
Anticipated Completion Date	6/29/2012
Engineers Estimate	None
Contract Value	\$250,000
Change Orders to Date	None
Current Contract Value	\$250,000
Expended to Date	\$0
% Complete	0%

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Utility	Pacific LightNet
Contract Number	CT-DTS-0900502
Award Date	4/28/2010
NTP(s) Issued	4/29/2010
Contract Completion Date	OPEN
Anticipated Completion Date	OPEN
Engineers Estimate	N/A
Contract Value	\$40,000
Change Orders to Date	0
Current Contract Value	\$40,000
Expended to Date	0
% Complete	0%

Utility	Chevron Products
Contract Number	CT-DTS-0900500
Award Date	12/4/2009
NTP(s) Issued	12/22/2009
Contract Completion Date	Open
Anticipated Completion Date	Open
Engineers Estimate	N/A
Contract Value	\$45,000
Change Orders to Date	0
Current Contract Value	\$45,000
Expended to Date	0
% Complete	0%

Utility	TW Telecom
Contract Number	CT-DTS-0900505
Award Date	12/2/2009
NTP(s) Issued	12/22/2009
Contract Completion Date	Open
Anticipated Completion Date	Open
Engineers Estimate	N/A
Contract Value	\$50,000
Change Orders to Date	0
Current Contract Value	\$50,000
Expended to Date	0
% Complete	0%

Utility	The Gas Company
Contract Number	CT-DTS-0900492
Award Date	12/13/2009
NTP(s) Issued	12/22/2009
Contract Completion Date	Open
Anticipated Completion Date	Open
Engineers Estimate	N/A
Contract Value	\$45,000
Change Orders to Date	0
Current Contract Value	\$45,000
Expended to Date	0
% Complete	0%

Utility	Oceanic Time Warner
Award Date	12/8/2009
NTP(s) Issued	12/22/2009
Contract Completion Date	Open
Anticipated Completion Date	Open
Engineers Estimate	N/A
Contract Value	\$40,000
Change Orders to Date	0
Current Contract Value	\$40,000
Expended to Date	0
% Complete	0%

Utility	Hawaiian Telcom
Contract Number	CT-DTS-0900504
Award Date	5/20/2010
NTP(s) Issued	
Contract Completion Date	Open
Anticipated Completion Date	Open
Engineers Estimate	N/A
Contract Value	\$50,000
Change Orders to Date	0
Current Contract Value	\$50,000
Expended to Date	0
% Complete	0%

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Utility	Sandwich Isles Communication
Contract Number	CT-DTS-1000354
Award Date	5/20/2010
NTP(s) Issued	
Contract Completion Date	Open
Anticipated Completion Date	Open
Engineers Estimate	N/A
Contract Value	\$50,000
Change Orders to Date	0
Current Contract Value	\$50,000
Expended to Date	0
% Complete	0%

HHCTCP Quarterly Progress Report – November 2010

3. Procurement

Contract Packages

Contract #	Description	Advertise	Select	NTP
DB-120	W. Oahu/Farrington Guideway DB	4/3/2009	10/21/2009	12/1/2009
DB-200	Maintenance & Storage Facility DB	7/23/2009	6/24/2010	1/11/2011
DB-320	Kamehameha Guideway DB	3/19/2010	1/21/2011	5/13/2011
DBB-170	W. Oahu Station Construct (3)	7/5/2012	11/1/2012	8/5/2014
DBB-270	Farrington Station Construct (3)	3/15/2012	7/12/2012	7/31/2012
DBB-275	Pearl Highland Sta., Garage	9/21/2012	1/18/2013	8/2/2014
DBB-370	Kamehameha Stations (2) Construct	2/20/2013	6/19/2013	6/20/2013
DBB-450	Airport Utility Relocation	4/26/2012	8/23/2012	10/7/2012
DBB-460	Airport Guideway Construct	10/18/2012	2/14/2013	2/15/2013
DBB-470	Airport Stations (3) Construct	11/2/2014	3/1/2015	3/2/2015
DBB-550	City Center Utility Relocation	6/30/2012	10/27/2012	10/28/2012
DBB-560	City Center Guideway and Ala Moana Station Construct	9/23/2013	1/20/2014	2/22/2014
DBB-570	Dillingham Stations (3) Construct	11/12/2015	3/10/2016	3/10/2016
DBB-572	City Center Stations (3)	10/8/2015	2/4/2016	2/5/2016
DBB-575	Kaka'ako Stations (2) Construct	11/12/2015	3/10/2016	3/11/2016
DBOM-920	Core Systems DBOM	8/17/2009	1/31/2011	2/15/2011
FD-140	W. Oahu Stations (3) Design	1/14/2010	12/27/2010	11/28/2010
FD-240	Farrington Stations (3) Design	10/13/2009	11/23/2010	10/29/2010
FD-245	Pearl Highland Sta. Parking Structure & Ramps Design	12/1/2010	3/30/2011	3/31/2011
FD-340	Kamehameha Stations (2) Design	10/29/2012	2/25/2011	8/30/2011
FD-430	Airport Utility & Guideway Design	10/29/2010	2/25/2011	4/27/2011
FD-440	Airport Stations (3) Design	2/15/2013	6/14/2013	6/15/2013
FD-530	City Center Utility, Guideway & Ala Moana Station Design	6/6/2011	10/3/2011	8/2/2011
FD-540	Dillingham Stations (3) Design	1/21/2014	5/20/2014	5/21/2014
FD-542	City Center Stations (3) Designs	1/21/2014	5/20/2014	5/21/2014
FD-545	Kaka'ako Stations (2) Design	1/21/2014	5/20/2014	5/21/2014
MI-930	Project Wide Elevators & Escalators	1/31/2011	5/30/2011	10/7/2012
MM-180	West Oahu/Farrington Station Construct	3/15/2012	7/10/2015	7/13/2012
MM-380	Pearl Highlands & Kam Stations	12/1/2010	3/30/2011	3/31/2011
MM-480	Airport Utility & Guideway CE&I	4/26/2012	8/23/2012	8/24/2012
MM-485	Airport & Dillingham Stations CE&I	12/7/2014	4/5/2015	4/6/2015
MM-580	City Center Utility & Guideway Construct	6/30/2012	10/27/2012	10/28/2012
MM-585	City Center & Kaka'ako Stations	11/12/2015	3/10/2016	3/11/2016
MM-900	Program Management Support Contract	8/12/2009	10/19/2009	10/20/2009
MM-905	General Engineering Consultant 1 (Awarded)		8/24/2007	8/24/2007
MM-910	General Engineering Consultant	9/3/2009	5/6/2011	5/7/2011
MM-920	HDOT Coordination Consultant	10/29/2010	2/25/2011	2/26/2011
OF-950	Owner Furnished Plants & Shrub	2/22/2014	6/22/2014	6/22/2004

= Actual Date

Data Date: 10/29/2010

General Engineering Consultant (II)

- Negotiating scope of work
- Expect to finalize negotiations and issue notice to proceed in mid-January 2011

Kamehameha Highway Guideway DB

- Evaluating Price Proposals
- Expect to issue call for best and final to reflect change in expected completion dates.
- Expect to announce selection mid-December.
- NTP #1 would be issued around the first of February

Maintenance and Storage Facility

- Expect to issue NTP #1 around January 5, 2011
- NTP #1 activities under development

Vehicles/Core Systems DBOM

- Call for best and final offer issued November 4, 2010.
- BAFO responses due December 22, 2010
- Expect to issue NTP #1 end of February

Farrington Station Group

- NTP #1 expected mid December 2010

West Oahu Station Group

- Expect to refresh qualification with responses mid December
- Expect to take about 2 months to complete selection process

Kamehameha Station Group (3 stations)

- Expect to issue RFQ in November

Real Estate Relocation

- RFP Part 1 issued November 17, 2010
- RFP Part 2 expected to be issued mid January and NTP is end of March 2011

Owner Controlled Insurance Program

- Expect to issue RFP in December

HDOT Design Review & Inspection

- In negotiations with top ranked firm

NOTE: The items discussed on this page are deemed CONFIDENTIAL and are not intended for public release.

4. Current Issues & Status

West Oahu / Farrington Highway (WOFH) Guideway DB Contract

- Geotechnical investigations are ongoing with 261 borings completed. 57 remain to be completed.
- Load test shafts #1, #2 and #3 were placed. Load tests will be performed in December. Method shaft #2 is scheduled for placement in December.
- Contractor preliminary engineering definitive and interim design submittals are being reviewed and responded to. 89 total contract submittals have been received with 15 under review.
- Contractor RFI's are being reviewed and responded to. 131 RFI's received with 8 open and under review.
- The Contractor has issued 3 NCRs related to method shaft #1.
- Request for Change (RFC's) are being processed through CMS. The Contractor has submitted 50 RFC's for City review: 4 are duplicates, 11 notices for information only, 15 denied, 5 no cost/time changes scheduled for the Change Control Board and 15 are under review. The City has submitted 20 RFC's for contractor review with one RFC response received from the Contractor
- NTP's #2, #3 and #4 are pending ROD.

Maintenance and Storage Facility DB Contract

- RFC for the alternate layout of the facility is being reviewed in CMS in anticipation of issuance to the Kiewit / Kobayashi team once the contract is executed.

CORE Systems DBOM Contract

- Continue to participate in the evaluation committee process.

Kamehameha Highway Guideway DB Documents

- Started to prepare documents to be issued to the selected offeror at NTP.

Stations

- Farrington Station Group – Still awaiting the issuance of the contract to the HDR team. At this time NTP # 1 is scheduled for January 3rd with the design workshop being held the third week of January, 2011. Preparing documents to deliver to the designer at NTP.

Value Engineering Study

- Reviewing options for the guideway VE study for the Airport and City Center Segments.

Agreements

- Working on the HECO utility construction agreement for the WOFH Section. Agreement should be ready to submit to HECO after ROD.
- The Intergovernmental agreement between the State and City for the WOFH Segment has been executed by both the State and City. The Use and Occupancy portion of the agreement cannot be finalized until after ROD.
- The selection process for the two consultants to be hired by the City on behalf of the State is ongoing.

Roadmap to Final Design

- Roadmap updated to incorporate comments from both FTA and PMOC.
- Regular monthly Roadmap teleconferences are being held prior to the start of the regular monthly progress meeting.

Design and Construction Coordination Meetings

- Meetings are held bi-weekly between the GEC and RTD staffs to discuss status and issues.
- Action item list which includes the action item, responsible person and due date is reviewed at the beginning of each meeting.

Miscellaneous Items

- RTD keeping track of GEC deliverables via a GEC Design and Construction Action List
- Construction, engineering and project control procedures for all construction and engineering contracts being finalized.
- Updates to the Standard Documents - Compendium of Design Criteria, Standard Specifications, Standard Drawings and Directive Drawings were updated and issued.

Risk Assessment

- The initial risk register and scoring has been completed and issued to the PMOC for their review / comments and internally for further review. Started to incorporate the stripped schedule and budget into the risk assessment process.
- Meeting scheduled with the PMOC on December 7th to discuss any comments from their initial review of the risk register.
- Schedule for upcoming Risk Assessment workshops:
 - January 11/12 – Pre-Risk Assessment Workshop
 - Mid to late February – Risk Assessment Workshop # 1
 - Mid to late March – Risk Assessment Workshop # 2
 - After Entry into Final Design – Risk Assessment # 3

Project Controls

- The Master Schedule is under revision due in part to the late ROD.
- PE bottoms-up estimate is being finalized.
- RTD's Contract Management Software system (CMS) continues its roll-out. Created new projects for:
 - Environmental: which will be used to track permits, environmental mitigations, meetings and issues.
 - Risk: which will be used to track the risk mitigation actions, issues and meetings.
 - Right Of Way: which will be used to track ROW meetings and issues (will be secure for the ROW group)

Configuration Management

- Procedure Development – Posting all Procedures for PMOC review
- Project Plan Conformance – Finalizing PMP Rev 4 and CFMP at this time
- RFC Procedures – Implemented Project Wide
- Change Control Board – CCB has met twice, 5 RFCs have been accepted and 1 Baseline Schedule Modification has been authorized.
- Contract Change Orders – The Procedures for Change Orders and Change Management are finalized with COR (legal) and BFS (Budget and Fiscal Services). The first Contract Change Order for WOFH is being processed.

Look Ahead

- Procedure Development – Looking ahead to comments from the PMOC
- Project Plan Conformance – Finalizing Plans to post for PMOC
- Change Control Board – Set up bi-weekly meetings (Thursdays) as a standard for the Board
- Contract Change Order – Process 1st Contract Change Order through BFS

5. ROW

Appraisals

- One Kamehameha Guideway appraisal is complete and was sent to FTA for their review. Remaining Kamehameha Guideway appraisals are under review.

Agreements

- DOE agreement awaiting City Council approval. FTA Regional comments are pending.
- Draft Master Agreement sent to University of Hawaii (UH) for their initial review and comment.

Other Activities

- Continuing to secure Consent-to-Enter agreements in support of pre-design efforts for WOFH contract and the Kamehameha section.
- Continuing to meet with property owners impacted by the project.
- RFP part one for professional real estate services has been released and working on the detailed scope of work for part II.

Look Ahead

- Entire Alignment
 - Complete RAMP Revision 4 for PMOC review and comment.
 - Advance UH agreement with University of Hawaii
 - Continue procurement process for Real Estate Consultant.
- WOFH Section
 - WOFH parcel TMK 196004:006 appraisal being finalized to include the results from the environmental study.
- Kamehameha Section
 - Complete appraisal reviews for remaining parcels.
 - Initiate appraisal for Pearl Ridge Station parcel TMK: 1-9-8-009:017

TOTAL Parcel Impacts	TOTAL Parcels Needed	TOTAL Appraisals in Process	TOTAL Appraisals Complete	TOTAL Offers	TOTAL Accept- ance	TOTAL Relocations Complete	TOTAL Ready for Construction
213	196	4	18	1	1	0	0

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RELOCATION					
	All Sections	Section 1	Section 2	Section 3	Section 4
Residential	20	16	0	0	4
Business	67	5	9	8	45
Non-Profit	1	1	0	0	0
Assessments Complete	2	0	0	0	2
Lease Agreements	2	0	0	0	2
90-day Notice Sent	0	0	0	0	0
30-day Notice Sent	0	0	0	0	0
Relocation Complete	0	0	0	0	0

FULL ACQUISITION					
	All Sections	Section 1	Section 2	Section 3	Section 4
Impacts	40	14	5	6	15
Parcels Needed	40	14	5	6	15
Appraisals in Process	0	0	1	0	0
Appraisals Complete	16	14	1	0	1
Offers	1	0	0	0	1
Acceptance	1	0	0	0	1
Relocation Complete	0	0	0	0	0
Ready for Construction	0	0	0	0	0

PARTIAL ACQUISITION					
	All Sections	Section 1	Section 2	Section 3	Section 4
Impacts	161	17	21	35	88
Parcels Needed	144	16	7	33	88
Appraisals in Process	4	0	4	0	0
Appraisals Complete	2	2	0	0	0
Offers	0	0	0	0	0
Acceptance	0	0	0	0	0
Relocation Complete	0	0	0	0	0
Ready for Construction	0	0	0	0	0

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EASEMENTS					
	All Sections	Section 1	Section 2	Section 3	Section 4
Impacts	12	6	0	1	5
Parcels Needed	12	6	0	1	5
Appraisals in Process	0	0	0	0	0
Appraisals Complete	0	0	0	0	0
Offers	0	0	0	0	0
Acceptance	0	0	0	0	0
Relocation Complete	0	0	0	0	0
Ready for Construction	0	0	0	0	0

6. Quality

Status

- Quality Management Plan (QMP) & Quality Implementing Procedures (QIP): The final Draft QMP (Revision D) was submitted to the PMOC on 11/18/10.
- Started training RTD QA Auditor(s).
- Performed QA Audit of the GEC PE/EIS on 11/17-19/10. The audit resulted into one NCR and three Observations. The NCR is for the Design Control (Drawings/Calculations) and the 3 Observations are for: 1) Document Control/Quality Records; 2) Design Control (Computer Software Programs); and 3) Nonconformance/Corrective Action.
- All 10 Observations found during the RTD/GEC QA Surveillance WOHP Guideway have been closed.
- On 10/12-14/10, RTD/GEC performed a QA Audit of KIWC/HNTB and Figg Engineering Design Processes in Florida. The Audit Team found two (2) positive findings and three (3) Observations, which will require Preventative actions. The Audit Report was issued to KIWC on 10/27/10.

Look Ahead

- Review, approve and close-out three (3) Observations issued to KIWC; continue RTD/GEC QA/QC and Environmental Compliance (EC) oversight of the WOFH contract.
- Issue QA Audit Report and close-out of the NCR and 3 Observations
- Finalize QMP and QIP(s) including Exhibits and Appendices. Submit Final QMP to PMOC. Continue training of QA Auditor(s).

7. Public Information

Main Messages

Post-election messaging

- Public Transit Authority (Next steps, structure)
- Election results (State, Local and National)
- EIS approval and project momentum

WOFH Community Outreach

- Gearing up for future construction impact mitigation

Expo presence: AIA/CSI Pacific Building Expo

- Focus on preliminary engineering and future construction

Outreach Tools

- Key media coverage (print, broadcast, online interviews)
- Transit corridor tour with the mayor
- Waipahu business and community small-group briefings; door-to-door canvassing; regular briefings with transportation and morning and afternoon drive-time reporters (television, radio and print)

Community Outreach	October	January - November
Presentations & Events	4	147
Neighborhood Boards	10	133

Look Ahead

Presentations & Events

- Special Management Area permit hearings and support
- EIS acceptance by the governor
- Selection and promotion of Youth for Rail winners

WOFH Outreach

- Method and test shaft testing outreach
- Business and Residential Impact Mitigation Plan approval in preparation for construction



AIA CSI Expo

8. Safety and Security

Current Activities

- Safety and Security Certification Working Group (SSCWG) has been established and meetings are ongoing. Last meeting held 11/18/10.
- Developed Safety and Security Certification Certifiable Elements List for WOFH contract and submitted to Kiewit.
- Draft State Oversight Agency Designation Submission submitted to the FTA Office of Safety and Security for review/comment.
- Revising Project Management Plan, Safety and Security Management Plan and Safety and Security Certification Plan based on PMOC comments.
- Development of the RTD Safety and Environmental Orientation has been completed. RTD Managers orientation scheduled for 12/02/10. PMOC orientation scheduled for 12/07/10.
- Supporting GEC development of Project-wide Certifiable Elements and Items Lists.
- Incorporating newly identified hazards related to guideway hatches, safety walkway/stairway interface, and train derailments into the Preliminary Hazard Analysis (PHA).
- Continuing with Construction Safety and Security Task Force meeting with Kiewit. Conducting site safety walks of Kiewit Construction Safety and Security Program. Recording observations and tracking corrective actions to closure.

30 Day Look Ahead

- Schedule SSCWG review of Preliminary Hazard Analysis.
- Support GEC conversion of the PHA into a database application.
- Develop Safety and Security Certification Training Seminar.
- Further develop System Security Outline with support from HPD. Begin identifying short term and long actions that need to be addressed.
- Support HDOT State Oversight Agency revisions to Designation Submission received from the FTA Office of Safety and Security.

9. Environment & Historical

Record of Decision

- Received comments from FTA on November 23/24, 2010 on responses to comments received on the Final EIS. Responses will be modified accordingly and returned to FTA for final review.
- Submitted Draft ROD to FTA on October 29, 2010. No comments have been received to date.

Programmatic Agreement (PA)

- Received final comments on draft PA from signatories on October 29, 2010. Draft PA was modified accordingly and returned to FTA for review.
- Obtained approval by City Council Transportation Committee on November 12, 2010 to allow Resolution No. 10-305, re-authorizing the Director of the Department of Transportation Services to execute the Section 106 Programmatic Agreement with the U.S. Department of Transportation Federal Transit Administration, the Hawaii State Historic Preservation Officer, and the Advisory Council on Historic Preservation for the Honolulu High-Capacity Transit Corridor Project to proceed to the City Council.
- Obtained City Council approval on November 22, 2010 re-authorizing DTS Director to sign the PA.
- Submitted draft PA to consulting parties for review by December 3, 2010. comments.

Other Items

- Section 7 consultation - Received USFWS' concurrence letter on October 29, 2010, which concludes the Section 7 consultation.
- Mitigation Monitoring Plan was submitted to FTA/PMOC for review. Still awaiting comments.

Look Ahead

- Conclude Section 106 process with executed Programmatic Agreement
- Issuance of Record of Decision by FTA
- Respond to FTA/PMOC comments on Mitigation Monitoring Plan and finalize.

Permit status

Noise Variance Permit	Complete	WOFH section only
CWA Section 404	Ongoing	In process; permit will be granted 3 – 6 months after ROD
CWA Section 401	Ongoing	In process; permit will be granted 3 – 6 months after ROD
Coastal Zone Management Cert for Section 404/10 DA	Ongoing	In process; permit will be granted 3 – 6 months after ROD
Special Management Area Permit	Ongoing	In process; permit will be granted 3 – 6 months after ROD
Stream Channel Alternation Permit	Ongoing	In process; permit will be granted 3 – 6 months after ROD
Storm Drain (MS4) Connection from DOT, Highways	Ongoing	Approved for pre-engineering testing
Storm Drain (MS4) Connection from UH	Ongoing	Approved for pre-engineering testing
Occupancy & Use Permit from DOT, Highways	Ongoing	Master Agreement pending
Flood Plain Variance from City/County	Ongoing	Pre-submittal review underway
Storm Drain (MS4) Connection from DOT, Airport	Pending	Required for Airport Segment 3
Coastal Zone Management Certification for FTA Funding	Pending	To be initiated in August 2011
Special District Permit Chinatown	Pending	To be initiated in August 2011
Project Eligibility and Development Permit (Kaka'ako)	Pending	To be initiated in August 2011

10. Staffing

Positions being processed:

Engineering

- Electrical Engineer IV – Offer accepted, Dec start date.
- Electrical Engineer III – Offer accepted, Dec/Jan start date.
- Mechanical Engineer III – Offer accepted, Jan 3, 2011, start date.
- Mechanical Engineer III – Offer accepted, Jan 16, 2011, start date.
- Civil Engineer VI (Senior Structural) – Offer accepted, Dec/Jan start date.
- Civil Engineer III, Maintenance & Storage Facility – Offer accepted, Dec/Dec start date.
- Civil Engineer VI (Utilities) – Recruitment in progress, anticipate Jan start date.
- Secretary III – Offer accepted, Dec start date.

Administration and Project Controls

- Contract Management Project Controls Specialist – Offer accepted, Dec start date.
- Records Management Analyst II (1) – Offer accepted, Dec start date.
- Records management Analyst II (2) – Offer accepted, Dec/Jan start date.
- Planner VI – Financial and Grants Management. Interviews completed.
- Transit Property Asset Manager – Offer accepted, Dec/Jan start date.
- Procurement & Specifications Specialist – Employee transfer from Budget & Fiscal Services, Nov 16 start date.
- Procurement & Specifications Specialist - Employee transfer from Budget & Fiscal Services, Nov 16 start date.
- Rapid Transit Program Administrator – Selection made, processing paperwork for Dec start date.
- Secretary II – Authorization to fill position approved.

Direct Report to Chief of Rapid Transit:

- System Safety Engineer – Classification specification in review by the Department of Human Resources.

The Rapid Transit Division receives direct project support in centralized City functions from the following City departments:

- Honolulu Police Department
- The Department of Information Technology
- Department of Budget & Fiscal Services
- Department of Design & Construction
- Corporation Counsel
- Department of Human Resources

For greater organizational structure detail, please refer to Attachment “A” DTS-RTD Organizational Chart.

11. Schedule Status

Master Schedule

- A major re-planing of the project schedule from 6 phased openings to 3 was approved by the Change Control Board. The new milestones are:
 - Open West Oahu/Farrington/Kamehameha Sections – December 8, 2015
 - Open Airport Section – October 29, 2017
 - Open City Center Section – March 13, 2019
- Of Note: System opening date (March 2019) has not changed from entry into PE schedule baseline
- Final re-baselined schedule to be submitted to the Change Control Board December 16, 2010
- ROD target date is now December 20, 2010
- Groundbreaking targeted for January 2011

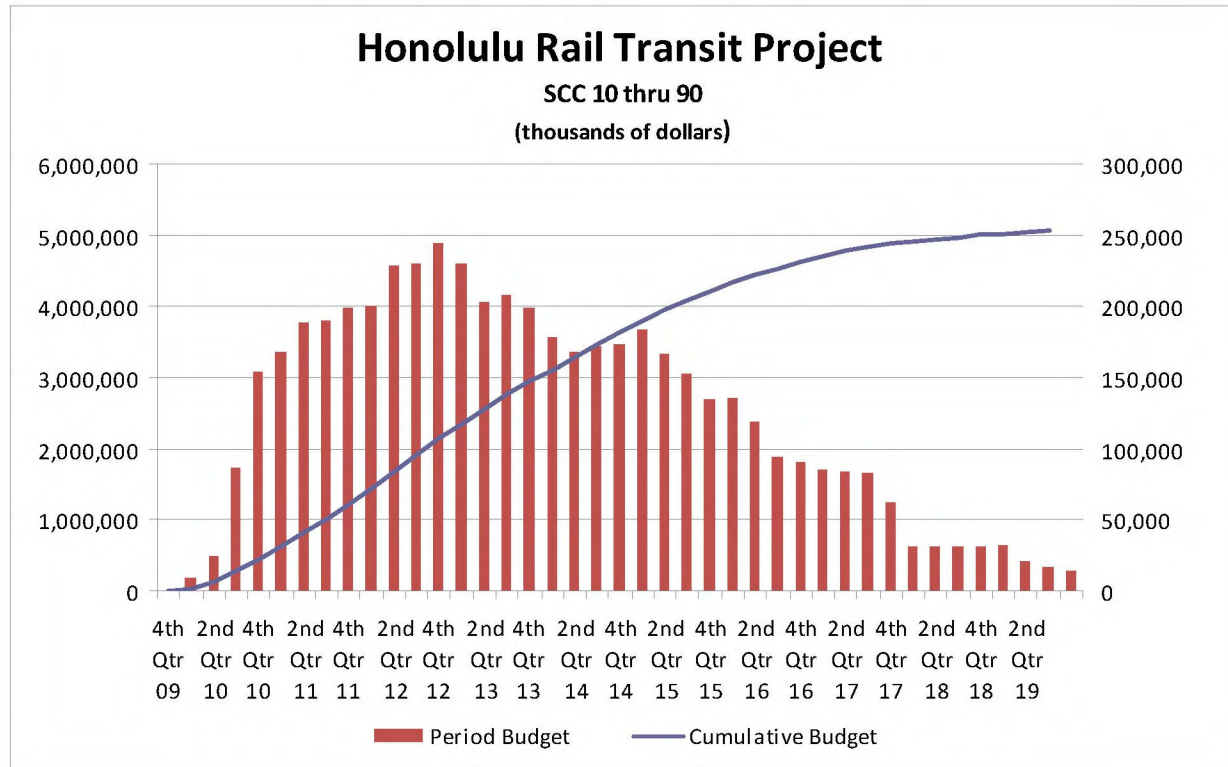
Once ROD is issued and removed from the critical path, the issuance of one or more Letter of No Prejudice (LONP) will be driving the projects critical path.

For greater detail please refer to Attachment “B” Master Project Schedule.

12. Cost/Budget Status

All cost data is as of October 29, 2010

Budget



Overall Project Budget by SCC (in \$ thousands)

SCC	Description	Year of Expenditure				
		Baseline Budget	Allocated Contingency	Allocated Budget	Incurred to Date	Remaining Budget
10	GUIDEWAY & TRACK ELEMENTS	\$1,201,146	\$273,930	\$1,475,076	\$0	\$1,475,076
10.01	Guideway: At-grade exclusive right-of-way	\$0	\$0	\$0	\$0	\$0
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	\$0	\$0	\$0	\$0	\$0
10.03	Guideway: At-grade in mixed traffic	\$0	\$0	\$0	\$0	\$0
10.04	Guideway: Aerial structure	\$1,014,075	\$230,030	\$1,244,105	\$0	\$1,244,105
10.05	Guideway: Built-up fill	\$0	\$0	\$0	\$0	\$0
10.06	Guideway: Underground cut & cover	\$0	\$0	\$0	\$0	\$0
10.07	Guideway: Underground tunnel	\$0	\$0	\$0	\$0	\$0
10.08	Guideway: Retained cut or fill	\$7,402	\$1,110	\$8,512	\$0	\$8,512
10.09	Track: Direct fixation	\$165,062	\$39,448	\$204,510	\$0	\$204,510
10.1	Track: Embedded	\$0	\$0	\$0	\$0	\$0
10.11	Track: Ballasted	\$3,103	\$465	\$3,568	\$0	\$3,568
10.12	Track: Special (switches, turnouts)	\$11,506	\$2,876	\$14,382	\$0	\$14,382
10.13	Track: Vibration and noise dampening	\$0	\$0	\$0	\$0	\$0

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20	STATIONS, STOPS, TERMINALS, INTERMODAL	\$311,322	\$77,830	\$389,152	\$0	\$389,152
20.01	At-grade station, stop, shelter, mall, terminal, platform	\$0	\$0	\$0	\$0	\$0
20.02	Aerial station, stop, shelter, mall, terminal, platform	\$237,171	\$59,293	\$296,464	\$0	\$296,464
20.03	Underground station, stop, shelter, mall, terminal, platform	\$0	\$0	\$0	\$0	\$0
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.	\$0	\$0	\$0	\$0	\$0
20.05	Joint development	\$0	\$0	\$0	\$0	\$0
20.06	Automobile parking multi-story structure	\$0	\$0	\$0	\$0	\$0
20.07	Elevators, escalators	\$74,150	\$18,538	\$92,688	\$0	\$92,688
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS	\$110,799	\$27,700	\$138,499	\$0	\$138,499
30.01	Administration Building: Office, sales, storage, revenue counting	\$18,981	\$4,745	\$23,726	\$0	\$23,726
30.02	Light Maintenance Facility	\$0	\$0	\$0	\$0	\$0
30.03	Heavy Maintenance Facility	\$91,819	\$22,955	\$114,773	\$0	\$114,773
30.04	Storage or Maintenance of Way Building	\$0	\$0	\$0	\$0	\$0
30.05	Yard and Yard Track	\$0	\$0	\$0	\$0	\$0
40	SITework & SPECIAL CONDITIONS	\$789,627	\$221,691	\$1,011,318	\$50,314	\$961,004
40.01	Demolition, Clearing, Earthwork	\$31,397	\$10,263	\$41,660	\$0	\$41,660
40.02	Site Utilities, Utility Relocation	\$393,617	\$130,926	\$524,543	\$0	\$524,543
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	\$10,985	\$3,845	\$14,830	\$0	\$14,830
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks	\$16,596	\$4,621	\$21,217	\$1,295	\$19,922
40.05	Site structures including retaining walls, sound walls	\$6,271	\$941	\$7,211	\$0	\$7,211
40.06	Pedestrian / bike access and accommodation, landscaping	\$1,783	\$267	\$2,050	\$0	\$2,050
40.07	Automobile, bus, van accessways including roads, parking lots	\$229,244	\$55,868	\$285,113	\$0	\$285,113
40.08	Temporary Facilities and other indirect costs during construction	\$99,734	\$14,960	\$114,694	\$49,019	\$65,674
50	SYSTEMS	\$235,999	\$59,000	\$294,999	\$0	\$294,999
50.01	Train control and signals	\$42,379	\$10,595	\$52,974	\$0	\$52,974
50.02	Traffic signals and crossing protection	\$29,663	\$7,416	\$37,079	\$0	\$37,079
50.03	Traction power supply: substations	\$51,415	\$12,854	\$64,269	\$0	\$64,269
50.04	Traction power distribution: catenary and third rail	\$70,876	\$17,719	\$88,595	\$0	\$88,595
50.05	Communications	\$25,482	\$6,370	\$31,852	\$0	\$31,852
50.06	Fare collection system and equipment	\$5,340	\$1,335	\$6,676	\$0	\$6,676
50.07	Central Control	\$10,844	\$2,711	\$13,554	\$0	\$13,554
	Construction Subtotal (10 - 50)	\$2,648,893	\$660,151	\$3,309,044	\$50,314	\$3,258,730
60	ROW, LAND, EXISTING IMPROVEMENTS	\$85,757	\$42,878	\$128,635	\$2,921	\$125,714
60.01	Purchase or lease of real estate	\$83,383	\$41,692	\$125,075	\$2,921	\$122,154
60.02	Relocation of existing households and businesses	\$2,373	\$1,187	\$3,560	\$0	\$3,560
70	VEHICLES	\$321,633	\$77,192	\$398,825	\$0	\$398,825
70.01	Light Rail	\$0	\$0	\$0	\$0	\$0
70.02	Heavy Rail	\$287,086	\$68,901	\$355,987	\$0	\$355,987
70.03	Commuter Rail	\$0	\$0	\$0	\$0	\$0
70.04	Bus	\$0	\$0	\$0	\$0	\$0
70.05	Other	\$0	\$0	\$0	\$0	\$0
70.06	Non-revenue vehicles	\$5,838	\$1,401	\$7,239	\$0	\$7,239
70.07	Spare parts	\$28,709	\$6,890	\$35,599	\$0	\$35,599
80	PROFESSIONAL SERVICES	\$731,811	\$183,797	\$915,607	\$71,965	\$843,643
80.01	Preliminary Engineering	\$63,704	\$8,984	\$72,688	\$32,853	\$39,835

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80.02	Final Design	\$119,690	\$30,560	\$150,250	\$0	\$150,250
80.03	Project Management for Design and Construction	\$111,227	\$26,212	\$137,439	\$38,782	\$98,656
80.04	Construction Administration & Management	\$244,657	\$66,057	\$310,714	\$0	\$310,714
80.05	Professional Liability and other Non-Construction Insurance	\$41,257	\$11,139	\$52,397	\$0	\$52,397
80.06	Legal; Permits; Review Fees by other agencies, cities, etc.	\$41,257	\$11,139	\$52,397	\$330	\$52,067
80.07	Surveys, Testing, Investigation, Inspection	\$13,752	\$3,713	\$17,466	\$0	\$17,466
80.08	Start up	\$96,267	\$25,992	\$122,259	\$0	\$122,259
Subtotal (10 - 80)		\$3,788,093	\$964,018	\$4,752,111	\$125,200	\$4,626,911
90	90 UNALLOCATED CONTINGENCY			\$305,349		\$305,349
Subtotal (10 - 90)		\$3,788,093	\$964,018	\$5,057,460	\$125,200	\$4,932,260
100	Finance Charges	\$290,294		\$290,294		\$290,294
Total Project Cost (10 - 100)		\$4,078,387	\$964,018	\$5,347,754	\$125,200	\$5,222,554

Expenditures this Period (in \$ thousands):

- Total Expenditures for Sept. 2010 = \$7,947
- Total Expenditures for October 2010 = \$15,515

Total Remaining Budget (in \$ thousands):

- Total Remaining Budget Sept. 2010 = \$5,238,051
- Total Remaining Budget October 2010 = \$5,222,536

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Funding Sources

GET Revenue Collections by Fiscal Year to date

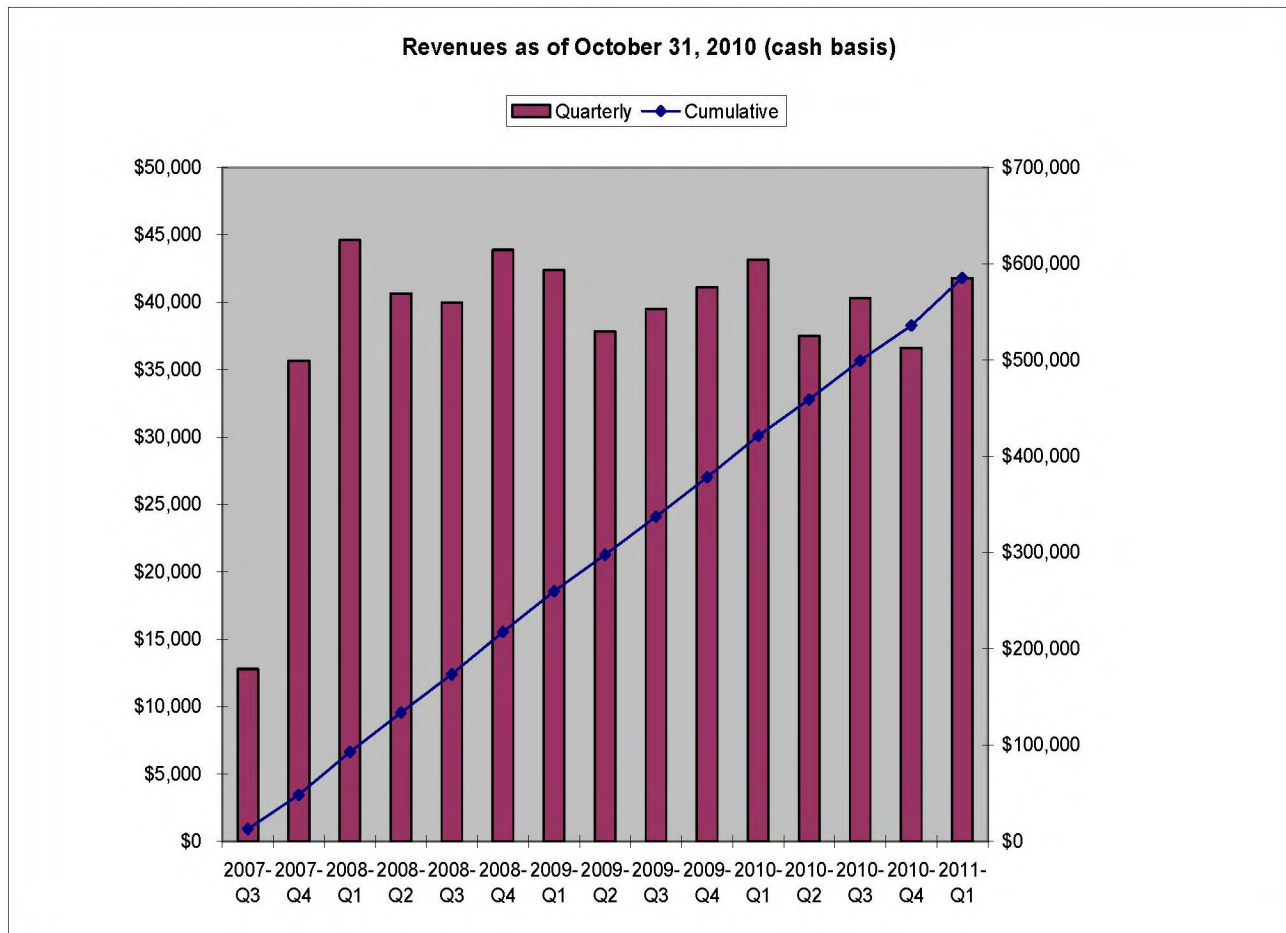
Revenues as of October 31, 2010 (cash basis)

	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011*	Total
GET County						
Surcharge	\$ 48,424,383	\$ 169,113,552	\$ 160,855,727	\$ 157,555,320	\$ 41,701,315	\$ 577,650,298
Investment						
Revenue	\$ 18,098	\$ 3,724,229	\$ 3,595,915	\$ 246,603	\$ 70,462	\$ 7,655,308
Other						
Revenue	\$ -	\$ -	\$ 29,748	\$ 16,697	\$ 1	\$ 46,445
TOTAL	\$ 48,442,481	\$ 172,837,781	\$ 164,481,390	\$ 157,818,620	\$ 41,771,778	\$ 585,352,051

*Notes:

(1) Year-to-date amount includes a \$29,704 investment income accrual reversal for FY 2010.

(2) GET County Surcharge was deposited into the City's General Fund on 10/29/2010 and was transferred to the Transit Fund on 11/1/2010.



14. Action items

From last FTA-PMOC meeting

Item No.	Item	Responsible Party	Date Identified	Date Due	Date Completed	Status
1	Schedule Safety and Security Workshop	FTA/PMOC	4-Nov-09	11-Mar		Open
2	Draft Environmental Mitigation Monitoring Plan	City	10-Jul	10-Nov	10-Nov-10	Closed
3	City to coordinate meeting with PMOC and State Oversight Agency	City	10-Jul	11-Jan		Open
4	Complete Quality Audit of GEC I PE Products	City	10-Oct	10-Nov		Open
5	Provide PMOC with State Oversight Agency Program Schedule	City	10-Oct	10-Nov		Open
6	Provide Sample FFGA Roadmap	PMOC	10-Oct	10-Nov		Open
7	Provide PMOC with Real Estate Professional Services Request For Proposal	City	10-Oct	10-Nov		Open
8	Provide FTA/PMOC with Transit Authority Resolution	City	10-Nov	10-Nov	4-Nov-10	Closed
9	Provide sample Claims Avoidance Plan	PMOC	10-Nov	10-Nov		Open

15. Acronyms used in this report

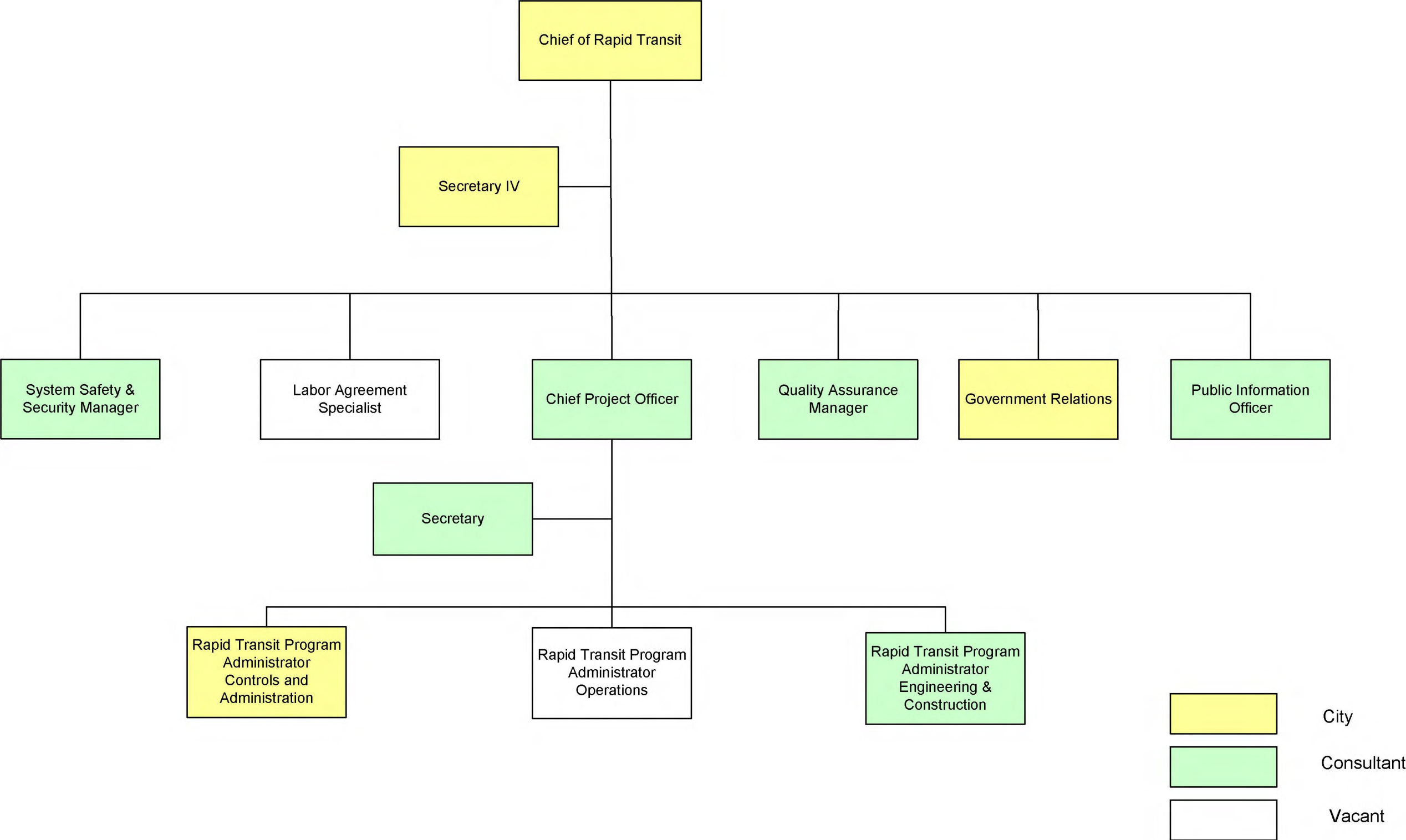
BFS	Department of Budget & Fiscal Services
CCB	Change Control Board
CFMP	Configuration Management Plan
CMS	Contract Management System
COR	Department of the Corporation Counsel
CQMP	Construction Quality Management Plan
CSC	Core Systems Contractor
DB	Design Build Contract
DBOM	Design Build Operate Maintain Contract
DHHL	Department of Hawaiian Homelands
DLNR	Department of Land and Natural Resources
DQMP	Design Quality Management Plan
DTS	Department of Transportation Services
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
FEIS	Final Environmental Impact Statement
FFGA	Full Funding Grant Agreement
FTA	Federal Transit Administration
GEC	General Engineering Consultant
GET	General Excise Tax
HAR	Hawaii Administrative Rules
HDOT	Hawaii Department of Transportation
HDR	Henningson, Durham & Richardson (contractor)
HECO	Hawaiian Electric Company
HFD	Honolulu Fire Department
HHCTCP	Honolulu High Capacity Transit Corridor Project
HNTB	Howard, Needles, Tamman & Bergendoff (contractor)
HPD	Honolulu Police Department
JV	Joint Venture
KPC	Kiewit Pacific Company (contractor)
LONP	Letter of No Prejudice
MSF	Maintenance and Storage Facility
NEPA	National Environmental Policy Act
NOA	Notification of Availability
NTP	Notice to Proceed
OCIP	Owner Controlled Insurance Programs
PE	Preliminary Engineering
PE/EIS	Preliminary Engineering/Environmental Impact Statement
PMC	Project Management Services Consultant

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PMOC	Program Management Oversight Consultant
PMP	Project Management Plan
QA	Quality Assurance
QA/QC	Quality Assurance and Quality Control
QMP	Quality Management Plan
RAMP	Real Estate Acquisition and Relocation Management Plan
RFC	Request for Change
RFI	Request for Information
RFP	Request for Proposal
ROD	Record of Decision
ROW	Right-of-Way
RTD	Rapid Transit Division
SSCP	Safety and Security Certification Plan
SSMP	Safety and Security Management Plan
SSOO	State Safety Oversight Office
SSORC	Safety and Security Oversight and Review Committee
VE	Value Engineering
WBS	Work Breakdown Structure
WOFH	West Oahu/Farrington Highway Segment

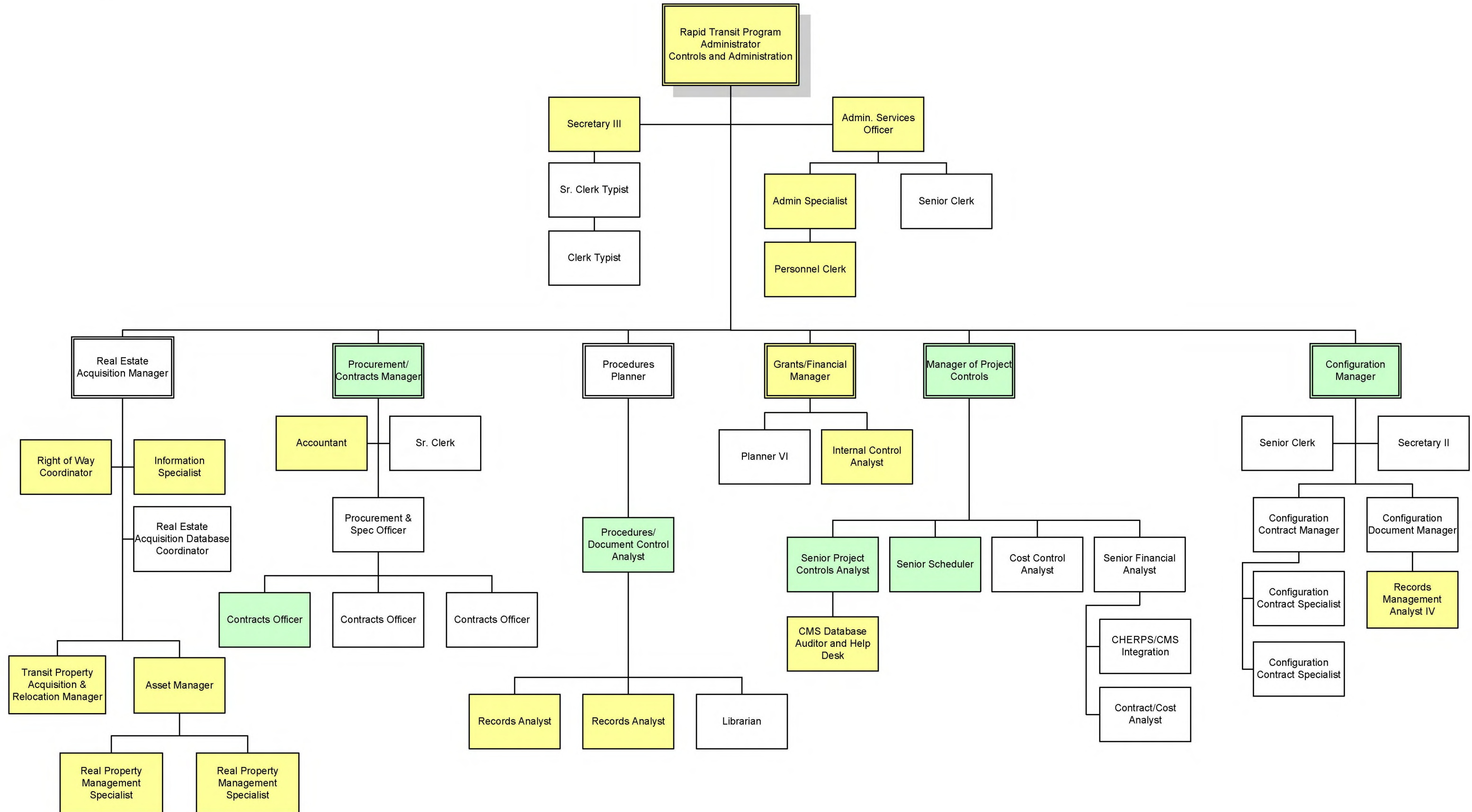
Attachment “A”
DTS-RTD Organizational Chart

Department of Transportation Services
Rapid Transit Division



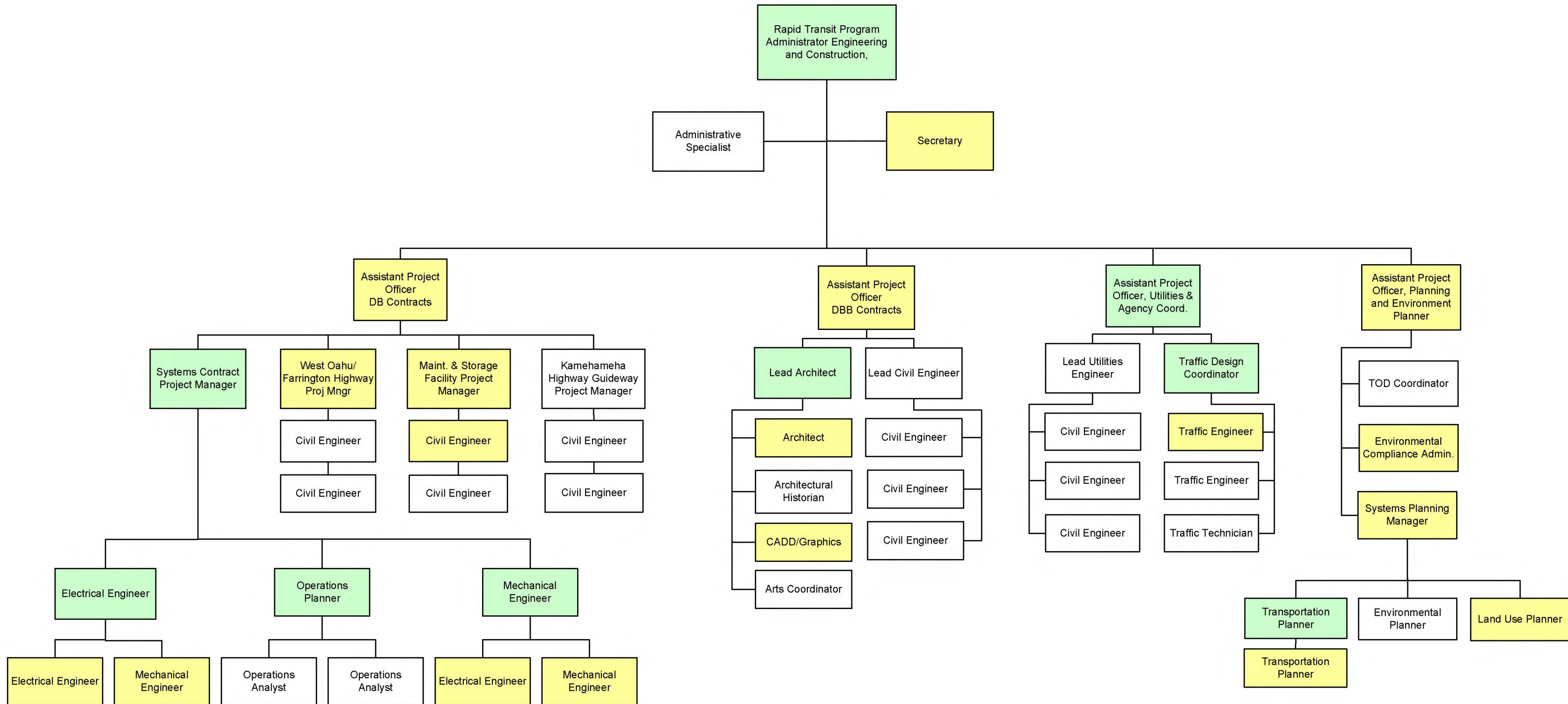
Appendix A

Department of Transportation Services
Rapid Transit Division
Controls & Administration

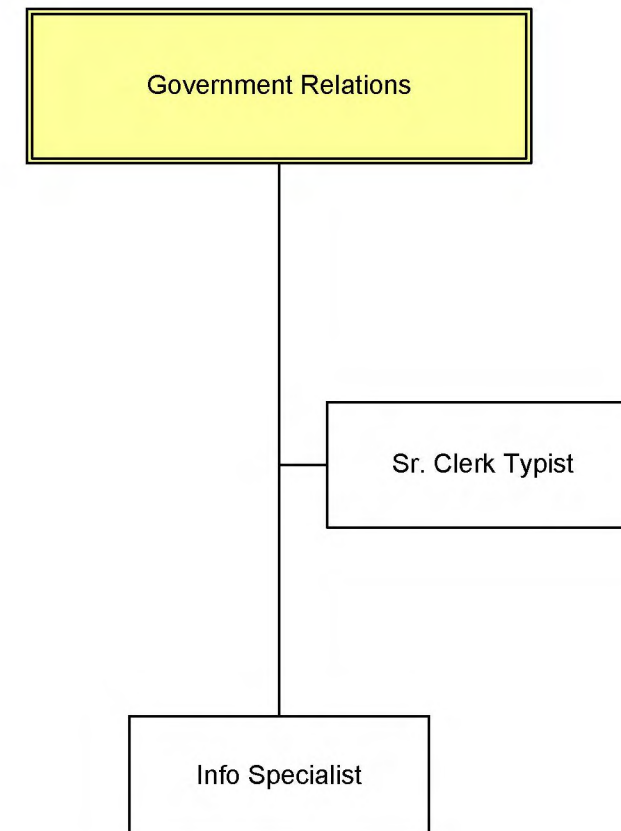
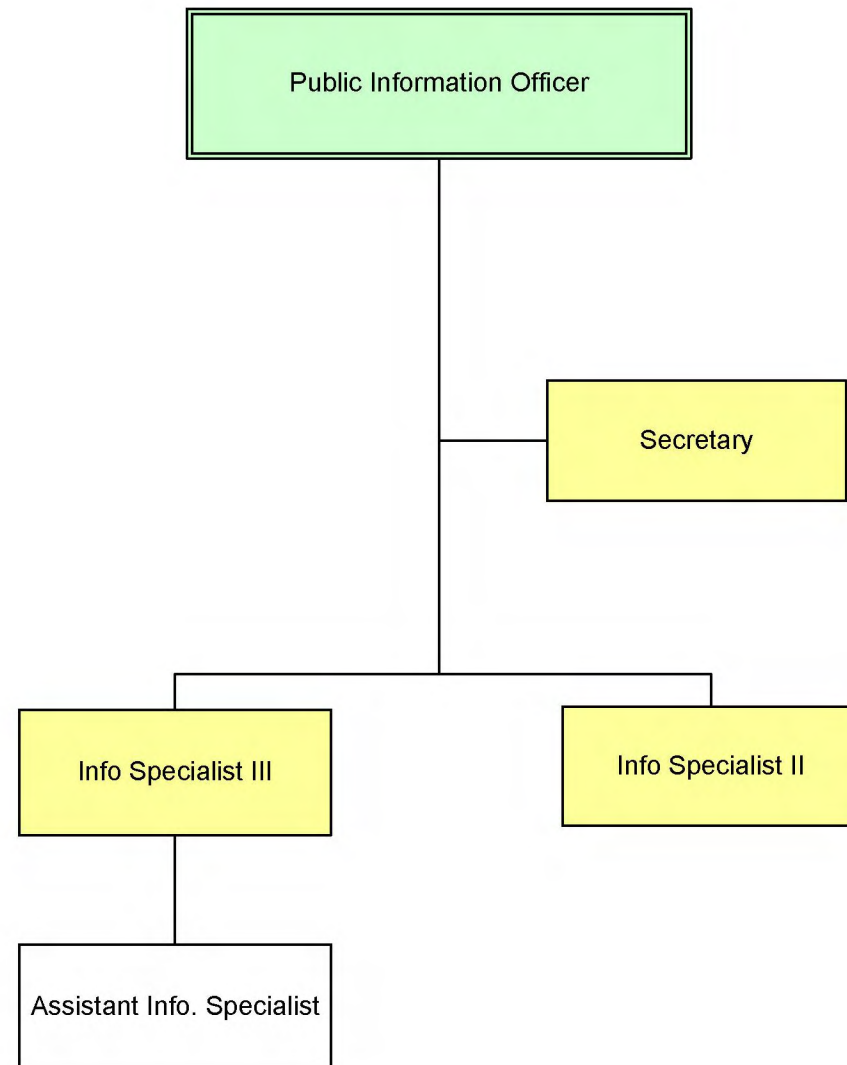


Appendix A

Department of Transportation Services
Rapid Transit Division
Engineering and Construction



Department of Transportation Services
Rapid Transit Division
Public Information & Government Relations



**Attachment “B”
Master Project Schedule**

Activity ID		Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
MASTER PROJECT SCHEDULE MILESTONES			3605	3424	16-Oct-09 A	13-Mar-20	-374	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
General			3605	3424	16-Oct-09 A	13-Mar-20	-374														
~			3605	3424	16-Oct-09 A	13-Mar-20	-374														
E300	FTA Issue Record of Decision - ROD		0	0		20-Dec-10*	0														
D250	FTA Approve Entry to Final Design		0	0	30-Aug-11		-353														
F270	FTA Award Full Funding Grant Agreement		0	0	30-Sep-12		-353														
I997	Open Waipahu to Leeward CC Section		0	0		26-Jan-14*	-398														
M999	MSF Contract Complete		0	0		09-Mar-15*	-331														
I998	Open East Kapolei to Leeward CC Section		0	0		14-Oct-15*	-440														
I999	Open Leeward CC to Pearl Highlands Section		0	0		10-Jul-16*	-361														
J999	Open Kamehameha Section		0	0		03-May-17*	-92														
Z999	Open Airport Section		0	0		10-Nov-18*	-375														
9999	Open to Ala Moana Center		0	0		12-Mar-20*	-374														
Y240	Remaining Program Duration		3423	3424	16-Oct-09 A	13-Mar-20	-374														
EIS			1954	1180	15-Sep-08 A	20-Jan-14	2243														
EIS			657	69	18-Mar-09 A	05-Jan-11	3354														
~			657	69	18-Mar-09 A	05-Jan-11	3354														
E294	Federal Registrar Review Period		20	12	28-Jun-10 A	17-Nov-10	9														
E302	Submit Draft ROD to FTA (excluding comments)		14	14	29-Oct-10	19-Nov-10	-9														
E318	QEQC Recomendations to Governor		20	20	29-Oct-10	30-Nov-10	14														
E205	FTA Requests Parties to Sign PA		25	25	29-Oct-10	07-Dec-10	9														
E215	Receive Signed Programmatic Agreement		0	0		07-Dec-10	9														
E310	Governor Reviews & Accepts FEIS		26	26	29-Oct-10	08-Dec-10	8														
E287	Reconciliation of Comments on FEIS		13	13	22-Nov-10	09-Dec-10	7														
E296	FTA Review ROD		26	26	22-Nov-10	29-Dec-10	-9														
E289	Adress FTA Comments on ROD		5	5	30-Dec-10	03-Jan-11	-14														
E165	Prepare & Execute Programmatic Agreement		328	44	18-Mar-09 A	05-Jan-11	2274														
Preliminary Engineering			1079	305	15-Sep-08 A	29-Aug-11	-353														
~			1079	305	15-Sep-08 A	29-Aug-11	-353														
D095	Update Travel Forecasts for FD Phase		10	10	29-Oct-10	07-Nov-10	-268														
D110	Update PMP Basic Requirements for FD		30	30	29-Oct-10	27-Nov-10	-288														
D130	Produce Procurement Plans for FD Phase		30	30	29-Oct-10	27-Nov-10	-288														
D140	Update New Starts Submittal		30	30	29-Oct-10	27-Nov-10	-288														
D180	Complete PE Project Cost Estimate		90	31	17-Oct-09 A	28-Nov-10	-334														
E190	Preliminary Engineering MSF		184	32	17-Oct-09 A	29-Nov-10	-290														
E200	New Starts Preliminary Engineering		325	33	17-Oct-09 A	30-Nov-10	-81														
D150	Update PMP Plans for FD		45	45	29-Oct-10	12-Dec-10	-303														
E210	PE Value Engineering for DBB		15	15	29-Nov-10	13-Dec-10	-334														
D160	Update PMP Project Proceedures for FD		60	60	29-Oct-10	27-Dec-10	-318														
D120	Submit PE Value Engineering Report		30	30	14-Dec-10	12-Jan-11	-334														
D170	Complete PE Project Definition/Scope		90	90	29-Oct-10	26-Jan-11	-348														
D190	Complete PE Project Development Requirements		90	90	29-Oct-10	26-Jan-11	-348														
D090	Complete 3rd Party Agreements for FD Phase		561	95	15-Sep-08 A	31-Jan-11	-353														
D220	Document Administrative Requirements for FD		0	0	01-Feb-11		-353														
D215	Before & After Study Milestone 2 Report		200	127	25-Feb-10 A	04-Mar-11	-175														
D230	Conduct PE Phase Risk Assessment		60	60	01-Feb-11	01-Apr-11	-353														
D235	Prepare & Submit Financial Plan		30	30	02-Apr-11	01-May-11	-353														
D240	FTA Reviews Request to Enter Final Design		120	120	02-May-11	29-Aug-11	-353														
Permits			1786	1180	02-Mar-09 A	20-Jan-14	-254														

- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone

Honolulu High - Capacity Transit Corridor Project


Master Project Schedule

1 of 8

Date : 03-Dec-10

Data Date : 29-Oct-10



Activity ID	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	3
							Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
E	~	1786	1180	02-Mar-09 A	20-Jan-14	-254														
	E710 Storm Drain (MS4) Connection from DOT, Highways Division	145	30	19-Oct-09 A	27-Nov-10	-355														
	E720 Storm Drain (MS4) Connection from University of Hawai'i	145	30	19-Oct-09 A	27-Nov-10	-355														
	E730 Storm Drain (MS4) Connection from DOT, Airport Division	145	30	19-Oct-09 A	27-Nov-10	500														
	E750 Occupancy & Use Permit from DOT, Highways Division	145	30	19-Oct-09 A	27-Nov-10	-355														
	E770 Flood Plain Variance from City/County	145	30	19-Oct-09 A	27-Nov-10	-355														
	E625 Stream Channel Alteration Permit	319	98	15-Jun-09 A	03-Feb-11	-181														
	E620 CWA Section 401 Water Quality Cert	474	146	13-Apr-09 A	23-Mar-11	-389														
	E670 Special Management Area Permit	284	155	14-Jun-09 A	01-Apr-11	-398														
	E650 Coastal Zone Management Cert for Sect 404/10 DA	374	196	10-May-09 A	12-May-11	-279														
	E610 CWA Section 404 / Section 10 DOA USACE	516	197	02-Mar-09 A	13-May-11	-440														
	E660 Coastal Zone Management Cert for FTA Funding	54	54	03-Feb-12	27-Mar-12	-167														
	E810 Special District Permit for Chinatown	120	120	23-Sep-13	20-Jan-14	-254														
	E820 Project Eligibility and Development Permit (Kaka'ako)	120	120	23-Sep-13	20-Jan-14	-254														
FULL FUNDING GRANT AGREEMENT		404	404	30-Aug-11	06-Oct-12	-353														
Project Wide		404	404	30-Aug-11	06-Oct-12	-353														
F	~	404	404	30-Aug-11	06-Oct-12	-353														
	F110 Update Travel Forecasts at FFGA	10	10	30-Aug-11	08-Sep-11	-206														
	F120 Update PMP Basic Requirements for Constr	30	30	30-Aug-11	28-Sep-11	-226														
	F130 Submit FD Value Engineering Report	30	30	30-Aug-11	28-Sep-11	-226														
	F140 Update Procurement Plans for Constr Phase	30	30	30-Aug-11	28-Sep-11	-226														
	F180 Update Risk Assessment for FFGA	30	30	30-Aug-11	28-Sep-11	-226														
	F150 Update PMP Plans for Constr	45	45	30-Aug-11	13-Oct-11	-241														
	F170 FTA Financial Capacity Assessment for FFGA	45	45	30-Aug-11	13-Oct-11	-298														
	F160 Update PMP Project Procedures for Constr	60	60	30-Aug-11	28-Oct-11	-256														
	F100 Update 3rd Party Agreements for Constr Phase	90	90	30-Aug-11	27-Nov-11	-343														
	F190 Comp FD Project Definition/Scope	100	100	30-Aug-11	07-Dec-11	-353														
	F200 Comp FD Project Cost/Schedule & Financial Plan	100	100	30-Aug-11	07-Dec-11	-353														
	F210 Comp FD Project Development Requirements	100	100	30-Aug-11	07-Dec-11	-353														
	F220 FFGA Application	30	30	08-Dec-11	06-Jan-12	-353														
	F230 City Council Authorizing Resolution of FFGA	27	27	07-Jan-12	02-Feb-12	-353														
	F240 Request FFGA	0	0	03-Feb-12		-353														
	F250 FTA Review FFGA	180	180	03-Feb-12	31-Jul-12	-353														
	F260 Congressional Review	60	60	01-Aug-12	29-Sep-12	-353														
	F280 City Executes FFGA	7	7	30-Sep-12	06-Oct-12	-353														
PROJECT WIDE CONTRACTS		4409	3247	24-Aug-07 A	18-Sep-19	-198														
General		4409	3247	24-Aug-07 A	18-Sep-19	-198														
MM900	Program Management Support Consultant	1825	1607	19-Nov-09 A	23-Mar-15	1442														
	S120 Program Management Support Contract	1825	1607	19-Nov-09 A	23-Mar-15	1442														
MM905	General Engineering Consultant Contract (1st)	955	190	24-Aug-07 A	06-May-11	-126														
	S500 GEC EIS and Preliminary Engineering	955	190	24-Aug-07 A	06-May-11	-126														
MM910	General Engineering Consultant Contract (2nd)	3596	3175	03-Sep-09 A	08-Jul-19	-126														
	V100 Propose-Award GEC Contract	212	190	03-Sep-09 A	06-May-11	-126														
	V120 General Engineering Consultant Contract	2985	2985	07-May-11	08-Jul-19	-126														
MM920	HDOT Coordination Contract	3175	3175	29-Oct-10	08-Jul-19	-126														
	HD10 Procure HDOT Coordination Contract	120	120	29-Oct-10	25-Feb-11	-126														
	HD20 HDOT Coordination	3055	3055	26-Feb-11	08-Jul-19	-126														
MI930	Elevators & Escalators P/I/T/C	3045	3045	01-Jan-11	03-May-19	-330														
	L120 Prepare Procurement Packages	30	30	01-Jan-11*	30-Jan-11	165														
	L100 Bid-Award Elevators & Escalators	120	120	31-Jan-11	30-May-11	165														
Legend		<div><div></div> Remaining Level of Effort</div> <div><div></div> Actual Level of Effort</div> <div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Critical Remaining Work</div> <div><div></div> Milestone</div>																		
Honolulu High - Capacity Transit Corridor Project							2 of 8							Date : 03-Dec-10						
Master Project Schedule							Data Date : 29-Oct-10													



Activity ID	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
							Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	W200	PH Guideway over H1 Ready for Kamehameha Cntr	0	0		27-May-13														
	W210	West Oahu Guideway Ready for Stations Cntr	0	0		26-Sep-13														
	W220	West Oahu TPSS Fdn/Duct Bank Ready for Core Sys	0	0		12-Jan-14														
	W230	W. Oahu & W. Farrington Guideway Ready for Core Sys	0	0		27-Jul-14														
	W250	W.Oahu/Farrington G/W Contract Duration	1467	1422	01-Dec-09 A	19-Sep-14														
	W120	W. Oahu/Farrington G'way Substantial Complete	1065	1065	21-Oct-11	19-Sep-14														
	W240	Guideway Substantially Complete	0	0		19-Sep-14														
Kamehameha Guideway SEC 1B		3668	3423	19-Mar-10 A	13-Mar-20	0														
ROW Right-of-Way Acquisition		0	0	13-Mar-20	13-Mar-20	0														
	KA19	Purchase ROW for Kamehameha Guideway	0	0	13-Mar-20	13-Mar-20														
PE320 Procurement Kamehameha Guideway DB		441	196	19-Mar-10 A	13-May-11	-32														
	K142	Last Day for Questions Part 2	1	1	29-Oct-10	29-Oct-10														
	K122	Issue Final Addendum Part 2	1	1	15-Nov-10	15-Nov-10														
	K105	Prepare LONP Request for DB320	30	30	29-Oct-10	27-Nov-10														
	K111	Kamehameha GW Proposals Due	0	0		06-Jan-11														
	K112	Offerors Prepare DB Part 2 Kam Hwy Response	120	70	19-Mar-10 A	06-Jan-11														
	K107	FTA Review & Issue LONP for DB320	45	45	28-Nov-10	11-Jan-11														
	K113	Evaluate Offerors Proposals Part 2	9	9	07-Jan-11	20-Jan-11														
	K116	Selection Committee Meets	1	1	21-Jan-11	21-Jan-11														
	K121	BAFO Determination	1	1	21-Jan-11	21-Jan-11														
	K123	Notification to Offerors of Discussion	1	1	24-Jan-11	24-Jan-11														
	K124	Discussion with Offerors	7	7	25-Jan-11	02-Feb-11														
	P1060	Request BAFOs	1	1	03-Feb-11	03-Feb-11														
	P1070	Kam Hwy BAFOs Due	1	1	10-Feb-11	10-Feb-11														
	P1080	Evaluate BAFOs	7	7	11-Feb-11	22-Feb-11														
	P1090	Selection Committee Meeting	2	2	23-Feb-11	24-Feb-11														
	P1100	Award Kam Hwy DB Contract	0	0	25-Feb-11															
	P1110	Contractor Execute Contract	10	10	25-Feb-11	10-Mar-11														
	P1120	City Execute Kam Hwy DB Contract	12	12	11-Mar-11	29-Mar-11														
	K115	Issue NTP Kamehameha Guideway DB Contract	0	0	13-May-11															
DB320 Kamehameha Guideway DB Contract		1447	1447	13-May-11	28-Apr-15	644														
	K110	Kamehameha Hwy Guideway Design	93	93	13-May-11	13-Aug-11														
	K129	KHG Final Track Plans	0	0		13-Aug-11														
	K120	Kam Hwy GW Utility Design	210	210	02-Jul-11	27-Jan-12														
	K200	Kam Hwy GW Utility Relocation Construction	420	420	31-Aug-11	23-Oct-12														
	K130	Kamehameha Hwy Guideway Design	472	472	14-Aug-11	27-Nov-12														
	K210	KHG Construction	396	396	27-Feb-12	28-Mar-13														
	K299	DB120 Contract Ready for KHG Interface	0	0		27-May-13														
	K398	KHG Ready for Aloha & Pearlridge Stations	0	0		12-Mar-14														
	K300	KHG Construction	289	289	28-May-13	12-Mar-14														
	K399	DB200 Contract Rail Delivery to KHG	0	0		12-Mar-14														
	K400	KHG Construction	153	153	13-Mar-14	12-Aug-14														
	K499	KHG Ready for Core Systems	0	0		12-Aug-14														
	K599	KHG Contract Substantial Completion	0	0		10-Feb-15														
	K500	KHG Construction	182	182	13-Aug-14	10-Feb-15														
	K117	Kamehameha Hwy GW Contract Duration	1447	1447	13-May-11	28-Apr-15														
	K900	KHG Contract Closeout	77	77	11-Feb-15	28-Apr-15														
Airport Guideway SEC 2 SJ		3423	3423	29-Oct-10	13-Mar-20	0														
ROW Right-of-Way Acquisition		0	0	13-Mar-20	13-Mar-20	0														
	AP19	Purchase ROW for Airport Guideway & Stations	0	0	13-Mar-20	13-Mar-20														

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

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 Milestone



Honolulu High - Capacity Transit Corridor Project



Master Project Schedule



Activity ID		Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
								Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	FD430 Airport Guideway & Utility Design		720	720	29-Oct-10	17-Oct-12	-310														
	G100	Prepare LONP Request for FD430	30	30	29-Oct-10	27-Nov-10	-330														
	G110	FTA Review & Issue LONP for FD430	45	45	28-Nov-10	11-Jan-11	-330														
	G120	Procure Airport Utility & Guideway Design	120	120	29-Oct-10	25-Feb-11	-375														
	G130	Airport Utility Design	365	365	27-Apr-11	25-Apr-12	-135														
	G140	Airport Guideway Design	600	600	26-Feb-11	17-Oct-12	-375														
	DBB450 Airport Utility Relocations Contract		1014	1014	26-Apr-12	03-Feb-15	-179														
	G220	Bid-Award Airport Utility	120	120	26-Apr-12	23-Aug-12	-135														
	G230	Airport Utility Relocation Construction	850	850	07-Oct-12	03-Feb-15	-179														
	DBB460 Airport Guideway Construction Contract		1120	1120	18-Oct-12	11-Nov-15	-260														
	G300	Bid-Award Airport Guideway	120	120	18-Oct-12	14-Feb-13	-375														
	G310	Airport Guideway Construction	1000	1000	15-Feb-13	11-Nov-15	-260														
	MM480 Airport Utility & Guideway CE&I		1295	1295	26-Apr-12	11-Nov-15	-260														
	G750	Procure Airport Utility & Guideway CE&I	120	120	26-Apr-12	23-Aug-12	-135														
	G800	Airport Utility & Guideway CE&I	1175	1175	24-Aug-12	11-Nov-15	-260														
	City Center Guideway SEC 3 SE,G		3203	3203	06-Jun-11	13-Mar-20	0														
	ROW Right-of-Way Acquisition		0	0	13-Mar-20	13-Mar-20	0														
	CC19	Purchase ROW for City Ctr Guidway & Stations	0	0	13-Mar-20	13-Mar-20	0														
	FD530 City Center Guideway & Utility Design		840	840	06-Jun-11	22-Sep-13	-374														
	C100	Procure City Center Utility & Guideway Design	120	120	06-Jun-11	03-Oct-11	-374														
	C110	City Center Utility Design	270	270	04-Oct-11	29-Jun-12	-374														
	C120	City Center Guideway Design	720	720	04-Oct-11	22-Sep-13	-374														
	DBB550 City Center Utility Relocations Contract		840	840	30-Jun-12	17-Oct-14	-374														
	C200	Bid-Award City Center Utility Contract	120	120	30-Jun-12	27-Oct-12	-374														
	C210	City Center Gway Utility Relocation Construction	720	720	28-Oct-12	17-Oct-14	-374														
	DBB560 City Center Guideway Construction Contract		1393	1393	23-Sep-13	16-Jul-17	-374														
	C300	Bid-Award City Center Guideway Contract	120	120	23-Sep-13	20-Jan-14	-374														
	C310	City Center Guideway Construction	1241	1241	22-Feb-14	16-Jul-17	-374														
	MM580 City Center Segment Utility & Guideway CE&I		1843	1843	30-Jun-12	16-Jul-17	-374														
	C750	Procure City Center Utility & Guideway CE&I	120	120	30-Jun-12	27-Oct-12	-374														
	C800	City Center Utility & Guideway CE&I	1723	1723	28-Oct-12	16-Jul-17	-374														
	STATION CONTRACTS		3804	3423	13-Oct-09 A	13-Mar-20	0														
Farrington Station SEC 1 SC		2097	1716	13-Oct-09 A	10-Jul-15	-440															
FD240 Farrington Stations (3) Design		884	503	13-Oct-09 A	14-Mar-12	-380															
R120	Procure Farrington Station Design	137	26	13-Oct-09 A	23-Nov-10	-343															
R100	Prepare LONP Request for FD240	30	30	29-Oct-10	27-Nov-10	-380															
R110	FTA Review & Issue LONP for FD240	45	45	28-Nov-10	11-Jan-11	-380															
R130	Farrington Stations Design	440	440	31-Dec-10	14-Mar-12	-380															
DBB270 Farrington Station Construction Contract		1464	1464	24-Nov-10	26-Nov-14	-387															
R201	Prepare LONP Request for DBB270	30	30	24-Nov-10	23-Dec-10	142															
R202	FTA Review & Issue LONP for DBB270	45	45	24-Dec-10	06-Feb-11	142															
R200	Bid-Award Farrington Stations	120	120	15-Mar-12	12-Jul-12	-380															
R210	Leeward & Waipahu Stations Substantial Completion	540	540	31-Jul-12	21-Jan-14	-398															
R260	Farrington Stations Systems Installation	180	180	30-May-14	25-Nov-14	-387															
R250	Farrington Stations Construction	731	731	26-Nov-12	26-Nov-14	-387															
MM180 W. Oahu/Farrington Stations CE&I		1213	1213	15-Mar-12	10-Jul-15	-440															
R750	Procure West Oahu/Farrington Stations CE&I	120	120	15-Mar-12	12-Jul-12	-380															
R800	West Oahu/Farrington Stations CE&I	1093	1093	13-Jul-12	10-Jul-15	-440															
West Oahu Station SEC 1A SB		3711	3423	14-Jan-10 A	13-Mar-20	0															
ROW Right-of-Way Acquisition		0	0	13-Mar-20	13-Mar-20	0															

 Remaining Level of Effort
  Remaining Work

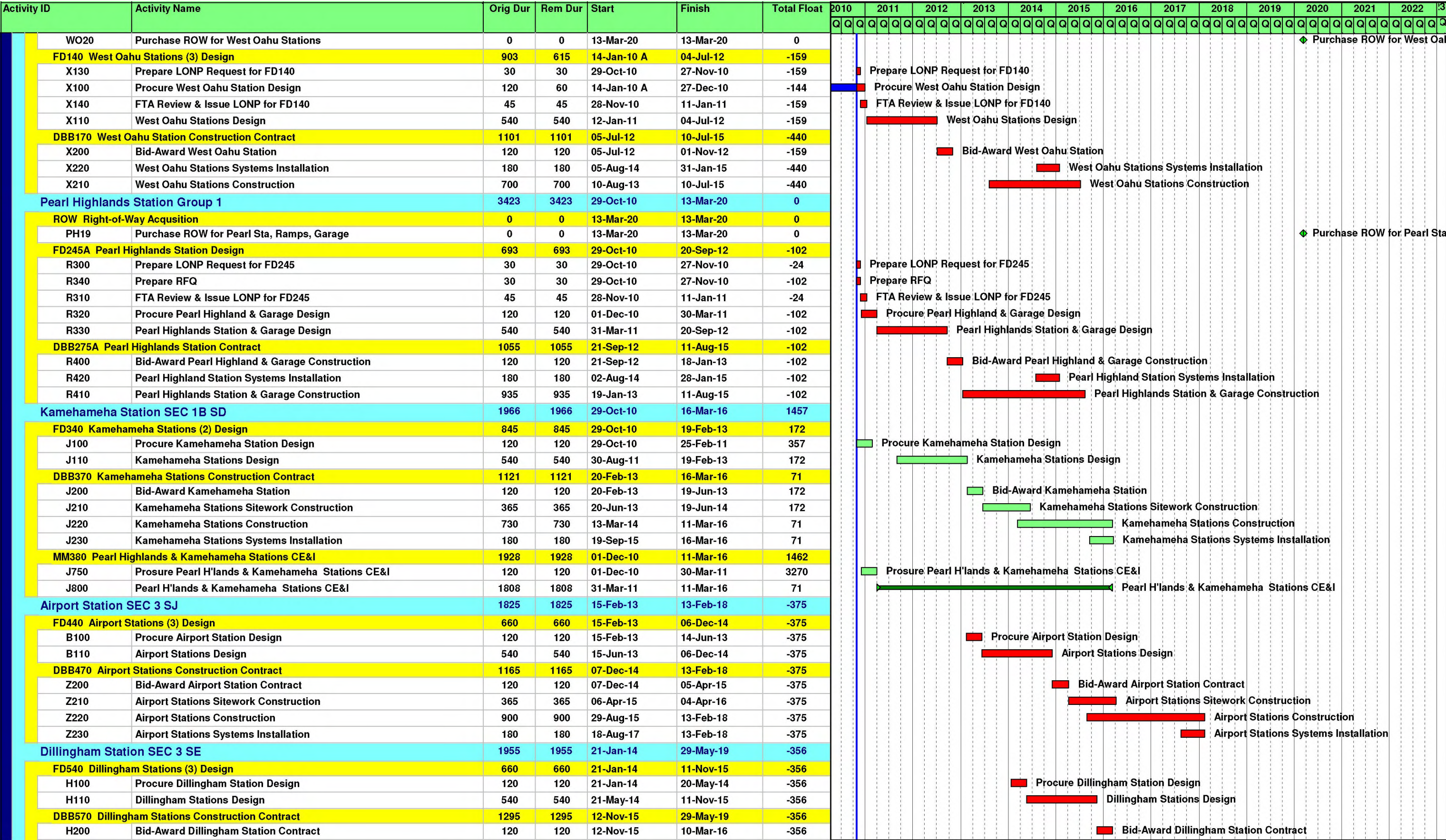
 Actual Level of Effort
  Critical Remaining Work

 Actual Work
  Milestone

Honolulu High - Capacity Transit Corridor Project

Master Project Schedule





Activity ID	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
							Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
H210	Dillingham Stations Sitework Construction	365	365	11-Mar-16	10-Mar-17	-356														
H220	Dillingham Stations Construction	900	900	11-Dec-16	29-May-19	-356														
H230	Dillingham Stations Systems Installation	180	180	01-Dec-18	29-May-19	-356														
MM485	Airport Stations & Dillingham Hwy Stations CE&I	1635	1635	07-Dec-14	29-May-19	-356														
B750	Procure Airport & Dillingham Stations CE&I	120	120	07-Dec-14	05-Apr-15	-375														
B800	Airport & Dillingham Stations CE&I	1515	1515	06-Apr-15	29-May-19	-356														
City Center Station SEC 3 SG		1973	1973	21-Jan-14	16-Jun-19	-374														
FD542	City Center Stations (3) Design	660	660	21-Jan-14	11-Nov-15	-374														
U100	Procure City Center Station Design	120	120	21-Jan-14	20-May-14	-374														
U110	City Center Stations Design	540	540	21-May-14	11-Nov-15	-374														
DBB572	City Center Stations Construction Contract	1313	1313	12-Nov-15	16-Jun-19	-374														
U200	Bid-Award City Center Stations Contract	120	120	12-Nov-15	10-Mar-16	-374														
U210	City Center Stations Sitework Construction	365	365	11-Mar-16	10-Mar-17	-374														
U220	City Center Stations Construction	920	920	09-Dec-16	16-Jun-19	-374														
U230	City Center Stations Systems Installation	180	180	19-Dec-18	16-Jun-19	-374														
Kaka'ako Station SEC 3 SG		1973	1973	21-Jan-14	16-Jun-19	-374														
FD545	Kaka'ako Stations (3) Design	660	660	21-Jan-14	11-Nov-15	-374														
Y100	Procure Kaka'ako Station Design	120	120	21-Jan-14	20-May-14	-374														
Y110	Kaka'ako Stations Design	540	540	21-May-14	11-Nov-15	-374														
DBB575	Kaka'ako Stations Construction Contract	1313	1313	12-Nov-15	16-Jun-19	-374														
Y200	Bid-Award Kaka'ako Station	120	120	12-Nov-15	10-Mar-16	-374														
Y210	Kaka'ako Stations Sitework Construction	365	365	11-Mar-16	10-Mar-17	-374														
Y220	Kaka'ako Stations Construction	920	920	09-Dec-16	16-Jun-19	-374														
Y230	Kaka'ako Stations Systems Installation	180	180	19-Dec-18	16-Jun-19	-374														
MM585	City Center & Kaka'ako Stations CE&I	1313	1313	12-Nov-15	16-Jun-19	-374														
U750	Procure City Center & Kaka'ako Stations CE&I	120	120	12-Nov-15	10-Mar-16	-374														
U800	City Center & Kaka'ako Stations CE&I	1193	1193	11-Mar-16	16-Jun-19	-374														
CORE SYSTEMS CONTRACT		3860	3423	18-Aug-09 A	12-Mar-20	-374														
Core Systems DBOM		3860	3423	18-Aug-09 A	12-Mar-20	-374														
PE920	Procurement Core Sys DBOM Contract	581	144	18-Aug-09 A	21-Mar-11	-221														
P820	Offerors Prepare DBOM Part 2 Systems Response	146	6	18-Aug-09 A	08-Nov-10	-148														
P810	Issue Final Addendum Part 2	1	1	15-Nov-10	15-Nov-10	-148														
P830	Offerors Submit DBOM Part 2 Systems	0	0		15-Nov-10	-148														
P960	Prepare LONP Request for DBOM Systems	30	30	29-Oct-10	27-Nov-10	-187														
P840	Evaluate Offerors Proposals Part 2	16	16	16-Nov-10	08-Dec-10	-148														
P870	Selection Committee Meets	2	2	09-Dec-10	10-Dec-10	-148														
P880	BAFO Determination	1	1	13-Dec-10	13-Dec-10	-148														
P890	Notification to Offerors of Discussion	1	1	14-Dec-10	14-Dec-10	-148														
P895	Discussion with Offerors	4	4	15-Dec-10	20-Dec-10	-148														
P905	Request BAFOs	1	1	21-Dec-10	21-Dec-10	-148														
P850	Buy America Pre Award Audit	30	30	16-Nov-10	29-Dec-10	-128														
P920	BAFOs Due	1	1	11-Jan-11	11-Jan-11	-148														
P970	FTA Review / Issue LONP for DBOM Systems	45	45	28-Nov-10	11-Jan-11	-187														
P930	Evaluate BAFOs	10	10	12-Jan-11	26-Jan-11	-148														
P940	Selection Committee Meeting	2	2	27-Jan-11	28-Jan-11	-148														
P945	Award DBOM Systems Contract	0	0	31-Jan-11		-148														
P990	Issue NTP 1 DBOM Core Systems	0	0	14-Feb-11		-148														
P950	Contractor Execute Contract	12	12	31-Jan-11	15-Feb-11	-148														
P955	City Execute DBOM Systems Contract	10	10	08-Mar-11	21-Mar-11	-148														
DBOM920	Core Systems & Vehicles DBOM Contract	3315	3315	14-Feb-11	12-Mar-20	-374														

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

Honolulu High - Capacity Transit Corridor Project

Master Project Schedule

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Date : 03-Dec-10

Data Date : 29-Oct-10



Activity ID	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
							Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
T100	Passenger Vehicle Engineering	300	300	17-Mar-11	10-Jan-12	-251														
T120	Fabrication (First Vehicles Delivery)	410	410	15-Jun-11	28-Jul-12	-251														
T130	Vehicle/System Training (Initial Staff)	170	170	10-May-12	26-Oct-12	-251														
T150	Testing & Commissioning (First Vehicles)	180	180	27-Oct-12	24-Apr-13	-251														
T110	System Design/Manufacture/Install/Test 1	751	751	24-May-11	12-Jun-13	-300														
T160	Manual Pre-revenue Operations 1	130	130	13-Jun-13	20-Oct-13	-300														
T190	System Design/Manufacture/Install/Test 2	750	750	19-Nov-12	08-Dec-14	-400														
T170	Fabrication (Remaining Vehicle Delivery)	700	700	25-Apr-13	25-Mar-15	138														
T180	Testing & Commissioning (Remaining Vehicles)	700	700	24-Jul-13	23-Jun-15	138														
T140	System Manufacture/Install/Test 3	750	750	27-Jul-13	15-Aug-15	-301														
T195	Integrated Testing & Pre-revenue Operations 2	270	270	18-Jan-15	14-Oct-15	-440														
T220	Vehicle/Systems Training (Remaining Staff)	180	180	24-Jun-15	20-Dec-15	138														
T200	Integrated Testing & Pre-revenue Operations 3	270	270	15-Oct-15	10-Jul-16	-361														
T210	System Manufacture/Install/Test 4	725	725	13-Aug-14	06-Aug-16	-92														
T240	Integrated Testing & Pre-revenue Operations 4	270	270	07-Aug-16	03-May-17	-92														
T230	System Manufacture/Install/Test 5	710	710	12-Nov-15	21-Oct-17	-260														
T250	Integrated Testing & Pre-revenue Operations 5	270	270	14-Feb-18	10-Nov-18	-375														
T265	Systems Manufacture/Install/Test 6	700	700	17-Jul-17	16-Jun-19	-374														
T165	Core Systems O&M ---> (On-going)	2320	2320	14-Aug-13	20-Dec-19	-291														
T101	Core Systems Contract Duration	3315	3315	14-Feb-11	12-Mar-20	-374														
T260	Integrated Testing & Pre-revenue Operations 6	270	270	17-Jun-19	12-Mar-20	-374														

